

# Electronics

<b>APPROVAL : CE</b>			
<b>REFERENCE STANDARDS IEC 60255 - EN50263 - CE Directive - EN/IEC61000 - IEEE C37 - BSI</b>			
Dielectric test voltage	IEC 60255-5	2kV, 50/60Hz, 1 min.	
Impulse test voltage	IEC 60255-5	5kV (c.m.), 2 kV (d.m.) - 1.2/50ms	
Insulation resistance	>100 M		
<b>Environmental Std. Ref. (IEC 680068)</b>			
Operation ambient temperature	-10°C / +55°C		
Storage temperature	-25°C / +70°C		
Environmental testing	(Cold)	IEC60068-2-1	
	(Dry heat)	IEC60068-2-2	
	(Change of temperature)	IEC60068-2-14	
	(Damp heat, steady state)	IEC60068-2-78 93% Without Condensing 40°C	
<b>CE EMC Compatibility (EN50081-2 - EN50082-2 - EN50263)</b>			
Electromagnetic radiated and conducted emission	EN55022	Industrial Environment	
Radiated electromagnetic field immunity test	IEC61000-4-3	level 3	80 ÷ 2000MHz10V/m
	ENV50204		900MHz/200Hz 10V/m
Conducted disturbances immunity test	IEC61000-4-6	level 3	0.15 ÷ 80MHz10V
Electrostatic discharge test	IEC61000-4-2	level 4	6kV contact / 8kV air
Power frequency magnetic test	IEC61000-4-8		1000A/m, 50/60Hz
Pulse magnetic field	IEC61000-4-9		1000A/m, 8/20ms
Damped oscillatory magnetic field	IEC61000-4-10		100A/m, 0.1 ÷ 1MHz
Immunity to conducted common mode disturbance 0/150KHz	IEC61000-4-16	level 4	
Electrical fast transient/burst	IEC61000-4-4	level 4	2kV, 5kHz
HF disturbance test with damped oscillatory wave (1MHz burst test)	IEC60255-22-1	class 3	400pps, 2.5kV (m.c.), 1kV (d.m.)
Oscillatory waves (Ring waves)	IEC61000-4-12	level 4	4kV(c.m.), 2kV(d.m.)
Surge immunity test	IEC61000-4-5	level 4	2kV(c.m.), 1kV(d.m.)
Voltage interruptions	IEC60255-4-11		50ms
Resistance to vibration and shocks	IEC60255-21-1 - IEC60255-21-2		

The performances and the characteristics reported in this document are not binding and can be modified at any moment without notice.



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